

1. A method of encrypting a digital television signal, comprising:
 - examining unencrypted packets of data in the digital television signal to identify a selected packet type;
 - duplicating packets identified as being of a selected packet type;
- 5 encrypting the duplicated packets;
- adding the duplicated and encrypted packets along with the unencrypted packets of the selected packet type in the digital television signal to produce a selectively encrypted digital television signal; and
- 10 broadcasting the selectively encrypted television signal over a terrestrial broadcast transmission system.

2. The method according to claim 1, further comprising distributing an ATSC broadcast flag with the selectively encrypted digital television signal.

- 15 3. The method according to claim 1, wherein the selectively encrypted television signal represents one or more channels in a transport stream.

4. The method according to claim 1, wherein a key is used to encrypt the duplicate packets, and wherein the key is a function of copy control information

20 associated with the digital television signal.

5. The method according to claim 1, wherein a key is used to encrypt the duplicate packets, and wherein the key is a function of global ATSC defined keys.

- 25 6. The method according to claim 1, wherein the selected packet type comprises packets carrying information that is needed to decompress the digital television signal.

- 30 7. The method according to claim 1, further comprising assigning a packet identifier to the unencrypted packets.

8. The method according to claim 1, further comprising assigning the packet identifier to the encrypted packets.
9. The method according to claim 1, wherein the packet identifier is a primary packet identifier; and a secondary packet identifier is assigned to the encrypted packets.
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10. A method of encrypting a digital television signal, comprising:
 - examining unencrypted packets of data in the digital television signal to identify a selected packet type;
 - identifying packets as being of the selected packet type to produce first 5 packets;
 - duplicating and encrypting the packets identified as being of the selected packet type using an encryption method to produce second packets;
 - replacing the unencrypted packets of the selected packet type with the first packets and the second packets in the digital television signal to produce a 10 selectively dual encrypted television signal; and
 - broadcasting the selectively encrypted television signal over a terrestrial broadcast transmission system.
- 15 11. The method according to claim 10, further comprising assigning a packet identifier to the unencrypted packets.
12. The method according to claim 10, further comprising assigning the packet identifier to the encrypted packets.
- 20 13. The method according to claim 10, wherein the digital television signal is compressed, and wherein the encrypted packets comprises a packet type that is needed to decompress the digital television signal if the duplicated packets sent in the clear are ignored.
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14. A television receiver, comprising:

a receiver receiving a terrestrial broadcast digital television signal, wherein the television signal has a plurality of unencrypted packets and a plurality of encrypted packets, wherein the encrypted packets duplicate some of the
5 unencrypted packets and contain information required to decode the digital television signal;

a decrypter that decrypts the encrypted packets and drops the transmitted unencrypted version of the same packets; and

10 a decoder that decodes the unencrypted packets and the decrypted packets

to produce a signal suitable for play on a television set.

15. The television receiver according to claim 14, wherein the digital television signal complies with an MPEG standard, and wherein the unencrypted packets are identified by a primary packet identifier, and the encrypted packets are identified

15 by a secondary packet identifier.

16. The television receiver according to claim 14, wherein the digital television signal is compressed, and wherein the encrypted packets comprises a packet type that is needed to decompress the digital television signal if the duplicated packets

20 sent in the clear are ignored.

17. A method of decoding a selectively encrypted terrestrial broadcast television program, comprising:

receiving a selectively encrypted terrestrial broadcast digital television program comprising a plurality of packets, wherein certain packets of the plurality of packets are encrypted and a remainder of the packets are unencrypted, wherein the encrypted packets are also sent unencrypted and contain information that is required for correct decoding of the television program; and

decrypting the encrypted packets to produce decrypted packets; and
decoding the decrypted packets and the unencrypted packets to produce a decoded
10 television signal.

18. The method according to claim 17, wherein the selectively encrypted television program is a digital television program, and wherein the certain encrypted packets comprise packets that are needed to decode the television
15 program if the duplicated packets sent in the clear are ignored.

19. The method according to claim 17, wherein the terrestrial broadcast selectively encrypted television program complies with a digital satellite service or digital cable transport standard, and wherein the encrypted packets carry a payload
20 of a packetized elementary stream header.

20. A method of decoding selectively encrypted content, comprising:
receiving selectively encrypted digital content comprising unencrypted
content, content sent in the clear and encrypted under an encryption system, the
encrypted content comprising information needed for correct decoding of the
5 selectively encrypted content if the duplicated content in the clear is ignored; and
decrypting the encrypted content under the encryption system to produce
decrypted content.

10 21. The method according to claim 20, further comprising decoding the
unencrypted content, ignoring the duplicated unencrypted content, and the
decoding decrypted content to decode the selectively encrypted content.

15 22. The method according to claim 20, wherein the digital television content is
broadcast using a signal that complies with a digital satellite service or digital cable
transport standard, and wherein the encrypted packets carry a payload of a
packetized elementary stream header.

23. A terrestrial broadcast digital television signal, comprising:
a collection of modulated packets, the collection of modulated packets
comprising:
clear unencrypted packets of content; and
5 duplicates of selected ones of the clear unencrypted packets that are
encrypted under an encryption system.

24. The signal according to claim 23, further comprising an ATSC broadcast
flag forming a part of digital television signal.
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25. The signal according to claim 23, wherein the digital television signal
represents one or more channels in a transport stream.

26. The signal according to claim 23, wherein a key is used to encrypt the
15 duplicate packets, and wherein the key is a function of copy control information
associated with the digital television signal.

27. The signal according to claim 23, wherein a key is used to encrypt the
duplicate packets, and wherein the key is a function of global ATSC defined keys.
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28. The signal according to claim 23, wherein the selected packets comprise
packets carrying information that is needed to decompress the digital television
signal.

25 29. The signal according to claim 23, wherein a first packet identifier is
assigned to the unencrypted packets.

30. The signal according to claim 23, wherein a packet identifier is assigned to
the encrypted packets.
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31. The signal according to claim 23, wherein a first packet identifier assigned to the clear unencrypted packets; and wherein a second packet identifier is assigned to the encrypted packets.